

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A method for managing at least one transport connection comprising:

providing a generic architecture management framework;

creating at least one transport layer connection;

adopting at least one profile from one transport protocol to another different transport protocol;
and

reusing at least one profile component from the one transport protocol for the another different transport protocol via a central short range connectivity management mechanism.

2. (Original) A method as in claim 1, where one protocol is a Bluetooth protocol.

3. (Original) A method as in claim 1, where one protocol is a Universal Serial Bus protocol.

4. (Original) A method as in claim 1, where one protocol is an Infrared Data Association protocol.

5. (Original) A method as in claim 1, where one protocol is an RS232 protocol.

6. (Original) A method as in claim 1, where one protocol is a wireless protocol.

7. (Currently Amended) A method as in claim 1, where ~~another~~ one protocol is a wired protocol.

8. (Original) A method as in claim 1, where the generic architecture framework comprises an object exchange related service.
9. (Original) A method as in claim 1, wherein managing the at least one transport connection comprises providing a short range connectivity application, application engine and generic platform.
10. (Original) A method as in claim 1, wherein managing the at least one transport connection further comprises service registration and discovery.
11. (Original) A method as in claim 1, wherein managing the at least one transport connection further comprises loading a connectivity component to perform channel reservation and service registration for a Bluetooth protocol.
12. (Original) A method as in claim 1, wherein managing the at least one transport connection further comprises loading a connectivity component to perform channel reservation and service registration for a Universal Serial Bus protocol.
13. (Original) A method as in claim 1, wherein managing the at least one transport connection further comprises establishing a link between an object exchange data link library and a service controller.
14. (Original) A method as in claim 1, wherein managing the at least one transport connection further comprises providing an application programming interface to manage at least one service for a Bluetooth protocol.
15. (Original) A method as in claim 1, wherein managing the at least one transport connection further comprises providing an application programming interface to manage at least one service for a Universal Serial Bus protocol.

16. (Currently Amended) A ~~computer program stored on a~~ computer readable ~~media~~ medium ~~storing program instructions~~ for directing a computer to ~~execute a method that comprises~~ perform operations that comprise:

creating at least one transport layer connection;

processing transport layer initialization, connection, and registration functionality;

adopting at least one profile from one transport protocol to another different transport protocol;
and

reusing at least one profile component from the one transport protocol for ~~at least one other the~~ another different transport protocol via a central short range connectivity management mechanism.

17. (Currently Amended) A mobile terminal, comprising a wireless transceiver, a data processor, and a memory for use in communicating with at least one of a wired and a wireless protocol utilizing a transport software subsystem that is used in common with a plurality of transport protocols, where said transport software subsystem comprises an architecture management framework configurable to adopt at least one profile from one transport protocol to another different transport protocol and to reuse at least one profile component from the one transport protocol for the another different transport protocol.

18. (Currently Amended) A mobile terminal as in claim 17, where the ~~common~~ transport ~~mechanism~~ software subsystem operates in conjunction with an operating system.

19. (Original) A mobile terminal as in claim 18, where the operating system comprises a Symbian operating system.

20. (Original) A mobile terminal as in claim 17, where one protocol is a Bluetooth protocol.

21. (Original) A mobile terminal as in claim 17, where one protocol is a Universal Serial Bus protocol.

22. (Currently Amended) A mobile terminal as in claim 17, where the ~~common~~ transport ~~mechanism~~ software subsystem provides an application programming interface to manage at least one service for a Bluetooth protocol.

23. (Currently Amended) A mobile terminal as in claim 17, where the ~~common~~ transport ~~mechanism~~ software subsystem provides an application programming interface to manage at least one service for a Universal Serial Bus protocol.

24. (Currently Amended) A method for managing at least one transport connection comprising providing a generic architecture management framework, creating at least one transport layer connection, adopting at least one profile from one transport protocol to another different transport protocol, and reusing at least one profile component from the one transport protocol for ~~at least one other~~ the another different transport protocol ~~via a central short range connectivity management mechanism~~, wherein creating a transport layer connection comprises receiving a service management request and performing protocol registration through at least one of a socket server and a communication server.

25. (New) A method as in claim 24, where the one protocol is one of an Infrared Data Association protocol, an RS232 protocol, an OBEX protocol, an USB protocol and a Bluetooth protocol.

26. (New) A method as in claim 24, where the created transport layer connection comprises a wired connection.

27. (New) A method as in claim 24, where the created transport layer connection comprises a wireless connection.

28. (New) A method as in claim 24, where managing the at least one transport connection

comprises providing a short range connectivity application, application engine and generic platform.

29. (New) A method as in claim 24, where managing the at least one transport connection further comprises service registration and discovery.

30. (New) An apparatus comprising:

means for creating at least one transport layer connection;

means for reusing at least one profile component from one transport protocol for another, different transport protocol; and

means for receiving a service management request and performing protocol registration through at least one of a socket server and a communication server.

31. (New) An apparatus as in claim 30, where the one protocol is one of an Infrared Data Association protocol, an RS232 protocol, an OBEX protocol, an USB protocol and a Bluetooth protocol.

32. (New) An apparatus as in claim 30, where the created transport layer connection comprises a wired connection.

33. (New) An apparatus as in claim 30, where the created transport layer connection comprises a wireless connection.